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100

```
public class book 102
{
    string Title; 104
    string Author; 106
    chapter[] chapters; 108
}

public class chapters 110
{
    int chapternum; 112
    string chaptertitle; 114
    string text; 116
}
```

Fig. 1a Background

```
120
public class book 122
\{\cdot \mid
    Moby Dick 124
    Melville
                      <u>126</u>
public class chapters 128
                        130
    Loomings
                           <u>132</u>
    Call me Ishmael.... 134
public class chapters 136
                        138
    The Carpet-Bag
     I stuffed a shirt....
```

Fig. 1b
Background

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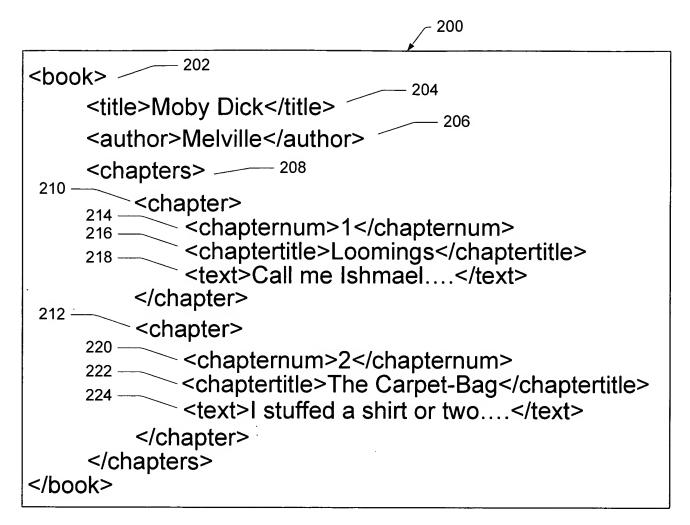


Fig. 2
Background

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```
302 Infoset: Envelope
 304 Children // Envelopes have the following child XML elements
     {
    306 ActionHeader [property ActionHeader]
    308 Version [property Version]
310 Infoset: ActionHeaderObj
  312 Children // ActionHeaderObjs have the child XML elements:
           {
              314 Action [property ActionUri]
              316 HeaderName [property Name]
   318 Attributes // ActionHeaderObjs have the XML attributes:
              320 ID [property ID]
                                            ì
```

Infoset Model 300

Fig. 3a

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332 <Envelope>
334 <ActionHeader ID = >

336 <Action></Action>
338 <Headername></Headername>

</ActionHeader>
340 <Version></Version>

</Envelope>

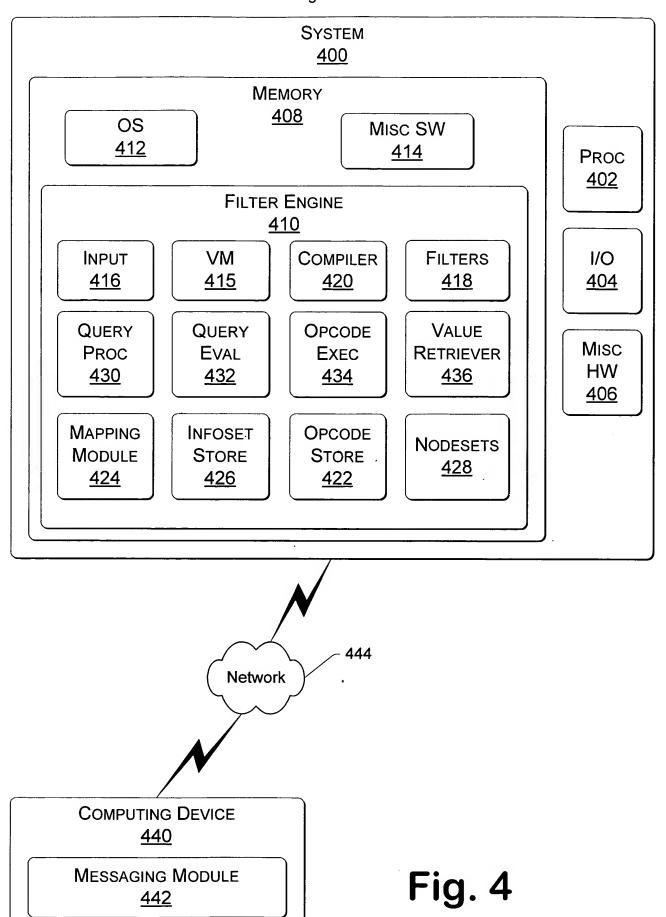
XML Template 330

Fig. 3b

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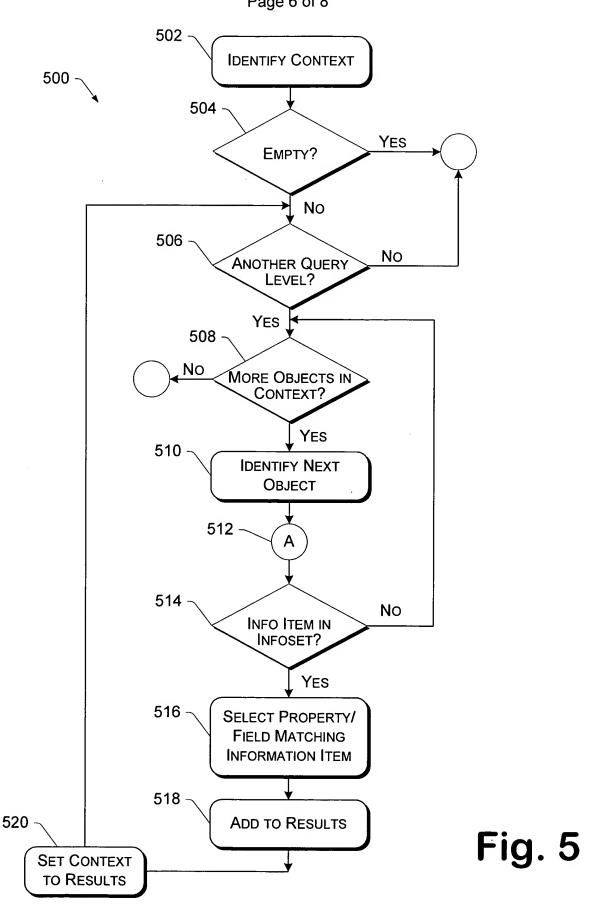
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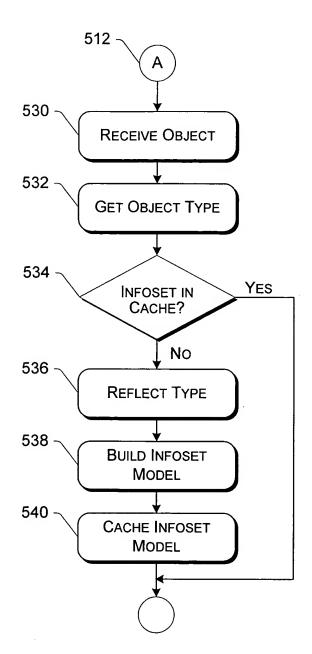


Fig. 5 (Cont'd)

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